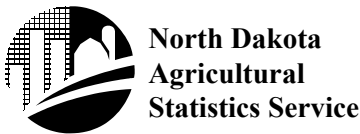


NORTH DAKOTA CROP, LIVESTOCK & WEATHER REPORT



Released: June 30, 2003
For Week Ending: June 29, 2003
ND-CW2603

Cooperating With:
NDSU EXTENSION SERVICE,
FARM SERVICE AGENCY,
ND AG WEATHER NETWORK (NDAWN) and
UND AEROSPACE REGIONAL WEATHER
INFORMATION CENTER

General: Rain showers and cooler temperatures across the state delayed fieldwork, according to the North Dakota Agricultural Statistics Service. Scattered hail damage was reported in the central, east central and southeast districts. Concerns of disease have been noted in areas with excess moisture. Spraying for broadleaf weeds was 89 percent complete and wild oats spraying was 93 percent complete. A statewide average of 4.7 days were suitable for fieldwork.

Statewide average topsoil moisture supplies on June 29 were rated 2 percent very short, 10 short, 72 adequate and 16 surplus compared to 18 percent very short, 24 short, 51 adequate and 7 surplus last year.

Crops: Temperatures were below normal last week but crop progress was generally still ahead of the five-year (1998-2002) average. As of June 29, 37 percent of the hard red spring wheat crop was headed and beyond, compared to the five-year average of 30 percent. Durum was 15 percent headed and beyond, ahead of the average of 8 percent. Barley and oats were 39 and 26 percent headed and beyond, respectively, also ahead of average.

Small grain condition ratings were mostly unchanged during the week despite heavy rains in the central, east central and southeast areas of the state. As of June 29, spring wheat crop conditions were rated 2 percent poor, 12 fair, 60 good and 26 excellent compared to 5 percent very poor, 12 poor, 32 fair, 44 good and 7 excellent last year. Durum crop condition was rated 1 percent poor, 13 fair, 73 good and 13 excellent compared to 1 percent very poor, 4 poor, 32 fair, 52 good and 11 excellent last year.

Development of most late season and oilseed crops last week were nearly equal to last year and the five-year average. Canola, however, remained ahead of last year and the five-year average with 48 percent blooming compared to 28 percent last year and the five-year average of 41 percent blooming. One percent of the dry edible beans were blooming, behind average while 8 percent of the flaxseed crop was blooming, equal to the five-year average. Eight percent of the potato crop was blooming, compared to 7 percent last year and the average of 8 percent. The sunflower crop was 98 percent emerged and beyond compared to last year's 98 percent.

Crop condition ratings for corn and soybean declined during the week. The corn crop condition was rated 83 percent good to excellent, down from 87 percent rated good to excellent the previous week. This compares to 45 percent of the corn crop rated good to excellent last year. The soybean crop condition was rated 81 percent good to excellent compared to 86 percent last week and 49 percent last year. The potato and dry edible beans crop condition ratings dropped to 81 and 78 percent rated good to excellent, respectively. Canola, flaxseed, sugarbeets and sunflower condition ratings improved from last week.

Livestock: Pasture conditions continue to improve in most areas of the state with 75 percent of pastures and rangeland rated good to excellent compared to last year's 20 percent good to excellent. Pastures in the southwest and south central districts of the state are still recovering from last year's dry weather and remain susceptible to periods of hot, dry weather. Stockwater supplies were rated 1 percent very short, 4 short, 90 adequate and 5 surplus compared to 5 percent very short, 16 short, 76 adequate and 3 surplus last year. First cutting alfalfa was 55 percent complete compared to 34 percent complete last year. Other hay baling was 26 percent complete. The hay crop condition was rated 73 percent good to excellent compared to 14 percent good to excellent last year.

Crop Development Progress ^{1/} June 29, 2003 with Comparisons				
Crop	This Week	Last Week	Last Year	1998-02 Avg.
(Percent)				
BARLEY				
Jointing	92	77	79	79
Boot	62	38	41	49
Headed	39	16	14	23
DURUM WHEAT				
Jointing	69	47	54	57
Boot	37	15	13	23
Headed	15	6	3	8
HRS WHEAT				
Jointing	88	71	78	80
Boot	64	41	46	53
Headed	37	17	26	30
OATS				
Jointing	86	69	77	81
Boot	58	32	40	51
Headed	26	7	16	25
CANOLA				
Rosette	87	78	84	86
Blooming	48	25	28	41
DRY EDIBLE BEANS				
Emerged	98	93	100	99
Blooming	1	NA	2	2
FLAXSEED				
Blooming	8	NA	3	8
POTATOES				
Emerged	97	90	100	100
Blooming	8	NA	7	8
SOYBEANS				
Blooming	1	NA	0	0
SUNFLOWER				
Emerged	98	85	98	98

^{1/} Crop development percents represent all acreage in or beyond each stage.
NA = Not Available

Crop and Pasture Condition Week Ending June 29, 2003					
Crop	Very Poor	Poor	Fair	Good	Excellent
(Percent)					
Barley	0	1	9	64	26
Durum Wheat	0	1	13	73	13
HRS Wheat	0	2	12	60	26
Oats	0	2	12	70	16
Canola	0	1	11	60	28
Corn, All	0	2	15	60	23
Dry Edible Beans	0	4	18	57	21
Flaxseed	0	0	13	69	18
Potatoes	0	1	18	60	21
Soybeans	2	3	14	56	25
Sugarbeets	1	2	16	51	30
Sunflowers	0	2	15	65	18
Hay	0	3	24	58	15
Pasture and Range	1	5	19	61	14

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NORTH DAKOTA CROP WEATHER REPORT, Week Ending June 29, 2003

Soil Moisture: North Dakota, June 29, 2003

Date	V. Short	Short	Adq.	Surplus
(Percent)				
TOPSOIL				
This Week	2	10	72	16
Last Week	2	8	77	13
Last Year	18	24	51	7
98-02 Avg	4	9	74	13
SUBSOIL				
This Week	2	13	71	14
Last Week	2	12	75	11
Last Year	14	24	55	7
98-02 Avg	4	11	72	13

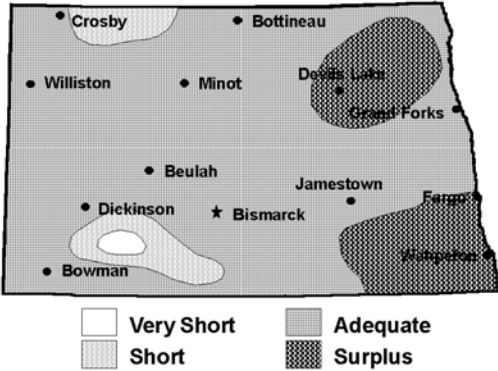
Weather: Maximum highs for the week ranged from 73 to 81 across the state. Only four stations recorded a high of 80 or above including Forest River, Fargo, Oakes and Wyndmere. The remainder of the state remained in the 70s all week. With highs only reaching the 70s and overnight lows still falling into the 40s; average temperatures for the week were well below normal for this time of year.

There were mixed precipitation amounts across the state. Some areas received as little as 0.05 of an inch while others received as much as 3.26 inches for the week. Areas such as Cando, Jamestown, Streeter, all of east central North Dakota, Beach, Linton, Edgeley, Oakes and Wyndmere recorded rainfall amounts over 1.00 inch. The greatest amounts were in Streeter with 2.57 inches, Oakes with 2.15 inches and Wyndmere with 3.26 inches. This past week's precipitation helped many out with their precipitation deficit and strengthened other areas that were borderline or just above normal for this time of year. Those areas still below average for this time of year include all of the northwest and north central, Forest River, all of west central North Dakota and the entire southwest excluding Beach.

Outlook, June 30-July 6: There will be a very warm start to the week but temperatures will cool down by the weekend. Expect to start the week with mid-to-upper 80s in the east and low 90s in the west warming to 90s statewide on Tuesday with an isolated upper 80 degree temperature in the north. Wednesday, the extreme south central portion of the state could possibly have highs reach the 100 degree mark while the remainder of the state enjoys 90s once again with the cooler temperatures to the north warming further south. Thursday will be pretty much the same with only slightly cooler temperatures. Friday expect a change in high temperatures with temperatures mainly in the 70s statewide and extending into the weekend.

Drier conditions are in store this week. Total weekly precipitation is not looking to exceed 0.50 of an inch in the east dropping to as little as 0.10 of an inch out west. Expect a chance of precipitation Monday night in the northwest and a chance of afternoon thunderstorms on Tuesday for much of the state except the eastern portions. Due to the warm weather and sunny conditions during the day, Tuesday night into Wednesday brings a chance for thunderstorms statewide. The remainder of the week looks to be fairly dry with a slight chance for precipitation in the south on Friday.

Topsoil Moisture Supplies
June 29, 2003



Temperature & Precipitation: Districts and Stations
North Dakota, Week ending June 29, 2003

District Averages	Average Temperature		Seasonal Precipitation Beginning March 29		
	Past Week	Depart Normal ^{1/}	Past Week	Total	Depart Normal ^{1/}
(Degrees F)			(Inches)		
Northwest (1)	61	-5	0.34	4.66	-1.73
N. Central (2)	61	-5	0.46	4.85	-2.03
Northeast (3)	63	-5	0.64	7.01	0.49
W. Central (4)	59	-9	0.48	6.10	-1.27
Central (5)	60	-8	1.23	9.47	2.18
E. Central (6)	64	-5	1.37	8.55	1.23
Southwest (7)	58	-9	0.78	5.92	-1.59
S. Central (8)	60	-9	1.21	7.53	0.56
Southeast (9)	64	-4	2.17	11.25	3.91

^{1/} Normal is the 1961-90 average. NA = Not Available.
Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.

Temperature & Precipitation: Districts and Stations
North Dakota, Week ending June 29, 2003

Stations by District	Temperature Past Week		Seasonal Precipitation Beginning March 29		
	High	Low	Past Week	Total	Depart Normal ^{1/}
(Degrees F)			(Inches)		
(1) Bowbells	80	42	0.42	3.22	-3.15
Williston	76	45	0.05	5.17	-0.26
Mohall	76	45	0.67	4.57	-2.05
Minot	76	48	0.23	5.67	-3.95
(2) Baker	75	44	0.42	5.79	-1.93
Bottineau	77	45	0.53	4.09	-2.66
Towner	79	46	0.43	4.68	-1.49
(3) Cando	75	46	1.29	6.49	0.03
Cavalier	79	47	0.64	7.84	1.09
Forest River	80	48	0.29	6.56	-0.23
Grand Forks	79	49	0.91	7.48	1.24
Langdon	74	46	0.35	6.38	0.31
St. Thomas	79	47	0.34	7.28	0.49
(4) Hazen	75	44	0.31	6.27	-1.63
Turtle Lake	73	46	0.46	7.32	-0.11
Watford City	75	42	0.68	4.72	-2.06
(5) Carrington	75	46	0.65	7.50	0.22
Harvey	74	46	0.73	9.71	2.27
Jamestown	76	48	1.69	11.91	5.27
Robinson	73	45	0.49	8.57	1.27
Streeter	74	46	2.57	9.65	1.89
(6) Dazey	73	49	1.14	7.80	0.42
Fargo	80	51	1.79	8.99	1.89
Hillsboro	79	50	1.18	8.86	1.38
(7) Beach	74	42	1.20	7.04	0.39
Bowman	73	42	0.68	5.52	-2.01
Dickinson	75	41	0.49	5.84	-1.84
Hettinger	74	42	0.74	5.27	-2.89
(8) Mandan	75	46	0.63	7.38	0.81
Linton	74	45	1.78	7.68	0.31
(9) Edgeley	76	49	1.09	10.80	3.04
Oakes	81	50	2.15	11.60	4.12
Wyndmere	80	52	3.26	11.34	4.29

^{1/} Normal is the 1961-90 average. NA=Not Available.
Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.